

Current Air Temperature Protocol

Field Guide

Task

To measure current air temperature in support of other GLOBE measurements

What You Need

- String and rubber band and calibration thermometer OR Sling psychrometer
- Clock or watch
- Pen or pencil
- Integrated 1-Day Data Sheet*

In the Field

1. Tie one end of a piece of string securely to the end of the calibration thermometer and the other end to a rubber band.
 2. Slip the rubber band around the wrist so that the thermometer is not broken if it is accidentally dropped on the ground.
- OR
- Use the dry bulb thermometer on your sling psychrometer.
3. Hold the thermometer at chest height, in the shade, and away from your body for three minutes.
 4. At the end of three minutes, record the temperature reading in your science log
 5. Hold the thermometer the same way for another minute.
 6. At the end of the minute, record the temperature once again. If the temperature is within 0.5°C of the previous reading, record the reading on your *Data Sheet*.
 7. If the two temperature readings differ by more than 0.5°C , repeat steps 5 and 6 again.
 8. If two consecutive temperature readings are not within 0.5°C of one another after 7 minutes, record the last measurement on the Data Sheet and report your other four measurements in the comments section along with a note that your reading wasn't stable after 7 minutes.